

Electric appliances

- Electroplating apparatus
- Ferroelectric apparatus
- Inverters
- Ion sources
- Langmuir probes
- Microelectronic devices
- Microwave devices
- Photoelectric devices
- Piezoelectric apparatus
- Potentiometric apparatus
- Radio-wave devices
- Television
- Transducers
- Tunnel junctions
- X-ray devices
- See also related:
 - Electronic device fabrication
 - Electronics
 - Magnets
 - Oscillators
 - Recording apparatus
 - Resonators
- Electric appliances**
 - See also narrower: Microwave ovens
 - See also related: Stoves (appliances)
- Electric arc**
 - See also narrower:
 - Lightning
 - Vacuum arc
 - See also related:
 - Electric breakdown
 - Electric corona
 - Electric insulators
 - Glow discharge
 - MHD (magnetohydrodynamics)
 - Plasma
 - Plasma torches
 - Short circuits (electrical apparatus)
- Electric arc furnace dust**
 - See
 - Dust
 - steelmaking
 - Flue dust
 - steelmaking
- Electric arc furnaces**
 - Valid heading during volumes 126-130 (1997-June 1999) only
 - See Electric furnaces, arc
- Electric automobiles**
 - Valid heading during volumes 129-130 (July 1998-June 1999) only
 - See
 - Automobiles
 - elec.
 - Electric vehicles
 - automobiles
- Electric batteries**
 - See
 - Fuel cells
 - Primary batteries
 - Secondary batteries
- Electric birefringence**
 - See Kerr effect (electrooptical)
- Electric breakdown**
 - See also narrower:
 - Avalanche breakdown
 - Electrical treeing
 - Streamer discharge
 - Surface flashover
 - See also related:
 - Avalanche photodiodes
 - Breakdown voltage
 - Capacitors
 - Dielectric strength
 - Electric arc
 - Electric corona
 - Electric failure
 - Electric potential
 - Electric spark
 - Glow discharge
 - Lightning
 - Short circuits (electrical apparatus)
- Electric brushes**
 - See also related: Brushes
- Electric cables**
 - See also narrower: Superconducting cables
 - See also related: Wires
- Electric capacitance**
 - See also narrower: Photocapacitance
 - See also related:
 - Deep level transient spectroscopy
 - Dielectric constant
 - Electric capacitance-potential relationship
 - Electric charge
 - Electric double layer
 - Inductance
 - Space charge
- Electric capacitance-potential relationship**
 - See also related:
 - Electric capacitance
 - Electric current-potential relationship
 - Electric potential
- Electric capacitors**
 - See Capacitors
- Electric cells**
 - See
 - Electrolytic cells
 - Fuel cells
 - Primary batteries
 - Secondary batteries
 - Solar cells
- Electric charge**
 - See also narrower:
 - Electrostatic charge
 - Multipole
 - Nuclear charge
 - Space charge
 - Surface electric charge
 - See also related:
 - Capacitors
 - Charge separation
 - Coulomb potential

- Electric capacitance
- Electric current carriers
- Electric potential
- Electrochemical cells
- Electrostatic potential
- Isoelectric point
- Monopole
- Electric charge (biological)**
 - Valid heading during volumes 126-130 (1997-June 1999) only
 - See Electric charge, biol.
- Electric circuit breakers**
 - See Circuit breakers
- Electric circuits**
 - See also narrower:
 - Capacitors
 - Diodes
 - Electric amplifiers
 - Electric coils
 - Electric filters
 - Electric fuses
 - Electric switches
 - Equivalent electric circuits
 - Integrated circuits
 - Integrators
 - Logic circuits
 - Printed circuits
 - Rectifiers
 - Resistors
 - Semiconductor devices
 - Superconductor devices
 - Transformers
 - See also related:
 - Drain current
 - Electric conductors
 - Electric insulators
 - Electron tubes
 - Inverters
 - Open circuit potential
 - Potentiometers
 - Short circuits (electrical apparatus)
 - Waveguides
 - X-ray devices
- Electric coils**
 - See also narrower:
 - Solenoids
 - Superconductor coils
 - See also related:
 - Electromagnetic cores
 - Electromagnets
 - Inductance
 - Magnets
 - Transformers
- Electric commutators**
 - See Electric switches
- Electric condensers**
 - See Capacitors
- Electric conductance**
 - See Electric conductivity
- Electric conduction**
 - See Electric conductivity
- Electric conductivity**
 - See also narrower:
 - Hopping conductivity
 - Ionic conductivity
 - Molar conductance
 - Photoconductivity
 - Superconductivity
 - Surface conductivity
 - Tunneling conductance
 - See also related:
 - Coulomb blockade
 - Electric admittance
 - Electric conductivity transition
 - Electric current
 - Electric current carriers
 - Electric current-potential relationship
 - Electric impedance
 - Electric resistance
 - Percolation
 - Poole-Frenkel effect
 - Schmidt number
 - Transference number
- Electric conductivity (biological)**
 - Valid heading during volumes 126-130 (1997-June 1999) only
 - See Electric conductivity, biol.
- Electric conductivity and conduction**
 - See Electric conductivity
- Electric conductivity transition**
 - See also narrower: Metal-nonmetal transition
 - See also related:
 - Band gap
 - Electric conductivity
 - Electric insulators
 - Electric switching
 - Structural phase transition
- Electric conductivity transitions**
 - See Electric conductivity transition
- Electric conductors**
 - See also narrower:
 - Conducting polymers
 - Electrically conductive pastes
 - Electric brushes
 - Electric cables
 - Electric conductors, ceramic
 - Electric conductors, glass
 - Electric contacts
 - Electrolytes
 - Interconnections (electric)
 - Ionic conductors
 - Lead frames
 - Metal lines
 - Photoconductors
 - Semiconductor films
 - Semiconductor materials
 - Superconductors
 - See also related:
 - Eddy current
 - Electrical materials
 - Electric circuits

- Electrodes
- Resistors
- Electric conductors, ceramic
- Electric conductors, glass
- Electric conductors, polymeric
 - See Conducting polymers
- Electric connectors**
 - See Electric contacts
- Electric contacts**
 - See also narrower:
 - Bump contacts
 - Gate contacts
 - Point contacts
 - Schottky contacts
 - Superconductor contacts
 - See also related:
 - Contact holes
 - Contact resistance
 - Electric switches
 - Electrodes
 - Interconnections (electric)
 - Rectifiers
 - Sheet resistance
- Electric convulsive therapy**
 - See Electroconvulsive therapy
- Electric corona**
 - See also related:
 - Electric arc
 - Electric breakdown
 - Electric insulators
 - Electric spark
 - Glow discharge
 - Ionization
 - Surface electric charge
- Electric current**
 - See also narrower:
 - Current density
 - Current gain
 - Drain current
 - Eddy current
 - Electron beam induced current
 - Exchange current (electric)
 - Leakage current
 - Limiting current
 - Photocurrent
 - Superconducting critical current
 - Thermally stimulated current
 - Tunneling current
 - See also related:
 - Amperometry
 - Current efficiency
 - Electric admittance
 - Electric conductivity
 - Electric current carriers
 - Electric current-potential relationship
 - Electric discharge
 - Electric field
 - Electric impedance
 - Electric noise
 - Electric rectification
 - Electric shock
 - Joule effect
 - Nernst-Ettingshausen effect
 - Optogalvanic effect
 - Proximity effect
 - Thermal runaway
- Electric current (biological)**
 - Valid heading during volumes 126-130 (1997-June 1999) only
 - See Electric current, biol.
- Electric current carriers**
 - See also narrower:
 - Electron-hole pairs
 - Hole (electron)
 - See also related:
 - Coulomb blockade
 - Electric charge
 - Electric conductivity
 - Electric current
 - Electric transport properties
 - Hall effect
 - Hopping conductivity
 - Ions
- Electric current-potential relationship**
 - See also narrower: Transconductance
 - See also related:
 - Bias potential
 - Electric capacitance-potential relationship
 - Electric conductivity
 - Electric current
 - Electric potential
 - Poole-Frenkel effect
 - Voltammetry
- Electric cutouts**
 - See
 - Circuit breakers
 - Electric switches
- Electric depolarization (biological)**
 - Valid heading during volumes 126-130 (1997-June 1999) only
 - See Polarization, depolarization, biol.
- Electric dipole moment**
 - See Dipole moment
- Electric discharge**
 - See also narrower:
 - Electric arc
 - Electric breakdown
 - Electric corona
 - Electric spark
 - Glow discharge
 - Streamer discharge
 - See also related:
 - Electric current
 - Electric discharge devices
 - Electric field
 - Leakage current
 - Optogalvanic effect
 - Plasma
 - Space charge
 - Surface flashover
- Electric discharge devices**
 - See also narrower:
 - Electric current
 - Electric discharge devices
 - Electric field
 - Leakage current
 - Optogalvanic effect
 - Plasma
 - Space charge
 - Surface flashover